PTO/SB/08A (05-03)

Approved for use through 05/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control under

Substitute for form 1449A/PTO				respond to a collection of information unless it displays a valid OMB control number  Complete if Known		
				Application Number	10/619,163	
	INFORMATION DIS	CLOS	JRE	Filing Date	7/10/2003	
STATEMENT BY APPLICANT (use as many sheets as necessary)				First Named Inventor	Oh et al.	
				Art Unit	Nat yet known	
				Examiner Name	Nat yet known	
Sheet	1	of	2	Attorney Docket Number	139-024U	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number  Number - Kind Code <sup>2 (F known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
SI	<u> </u>	US-5,999,369	12-07-1999	Shimizu et al.			
K31_	<del> </del>	US-8,061,205	05-09-2000	Finegan			
151	ļ	US-8,088,192	07-11-2000	Riener et al.			
	1	US-					
		US-					
	<u> </u>	US-					
		US-					
		US-					
	<u> </u>	US-					
		US-					
	1	US-					
		US-	·				
<del></del>		US-					
	ļ	US-					
		US					
	<u> </u>	US-					
	<u> </u>	US-					
		US-		· ·			
		US-					
		US-					

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°	
						-	
						-	
				***************************************		L	
	-				44.		
			·				
						1	

Examiner R. S. TWMM	Date Considered	4/05
---------------------	--------------------	------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Rind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Not yet known

Not yet known

139-024U

PTO/SB/08B (05-03)
Approved for use through 05/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. TRANSPOSITIUTE for form 1449B/PTO mplete if Known **Application Number** 10/619,163 **INFORMATION DISCLOSURE** Filing Date 7/10/2003 STATEMENT BY APPLICANT First Named Inventor Oh et al. Group Art Unit

Attorney Docket Number

Examiner Name

(use as many sheets as necessary)

Sheet

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
RST		Aurthor unknown, Design of a Disk Drive Servo: A Case Study, 37 pages, Chapter 14.			
ì	2	LI, YUNFENG and HOROWITZ, ROBERTO, Active Vibration Control of a PZT Actuated Suspension in Hard Disk Drives, date unknown, 6 pages.			
	3	MCALLISTER, S. JEFFREY, The Effect of Disk Platter Resonances on Track Misregistration in 3.5 Inch Disk Drives, IEEE Transactions on Magnetics, May 1996, 5 pages, volume 32, Number 3.			
	4	HAO, QI et al., TMR Online Optimization Using Quasi-Newton Method for HDD Servo Systems, Procedings of the American Control Conference, June 2000, 55 pages, Chicago, Illinois.	-		
	5	GOH, B. TECK et al., Design and Implementation of a Hard Disk Drive Servo System Using Robust and Perfect Tracking Approach, IEEE Transaction on Control Systems Technology, March 2001, 13 pages, Volume 9, Number 2.			
	6	LI, YUNFENG and HOROWITZ, ROBERTO, Mechatronics of Electrostatic Microactuators for Computer Disk Drive Dual-Stage Servo Systems, IEEE/Asme Transactions of Mechatroics, June 2001, 11 pages, Volume 6, Number 2.			
	7	LI, YUNFENG and HOROWITZ, ROBERTO, Active Suspension Vibration Control with Dual Stage Actuators in Hard Disk Drives, Proceedings of the American Control Conference, June 25-27, 2001, 6 pages.			
	8	Y. LI, R. HOROWITZ, Design and Testing of Track-Following Controllers for Dual-Stage Servo Systems with PZT Actuated Suspensions, Microsystem Technologies 8 (2002), 12 pages, Springer-Verlag 2002.			
CST	9	Web Control Articles, 164 pages, 10/10/02.			

Examiner	11/1/1/1	Date	
Signature	K.S.TIMMM		1/1/10
	70	Considered	9100

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of Information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chlef Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.